

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/061028 A1

(51) International Patent Classification⁷: **A61M 5/12**
(21) International Application Number:
PCT/BE2004/000180

(22) International Filing Date:
21 December 2004 (21.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03447308.2 24 December 2003 (24.12.2003) EP

(71) Applicant (for all designated States except US): **UNIVERSITE LIBRE DE BRUXELLES [BE/BE]**; CP 130, Avenue F.D. Roosevelt 50, B-1050 BRUSSELS (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BARVAIS, Luc [BE/BE]**; Avenue Erasme 25, B-1780 WEMMEL (BE).
COUSSAERT, Eddy [BE/BE]; Avenue Florida 73, B-1410 WATERLOO (BE).

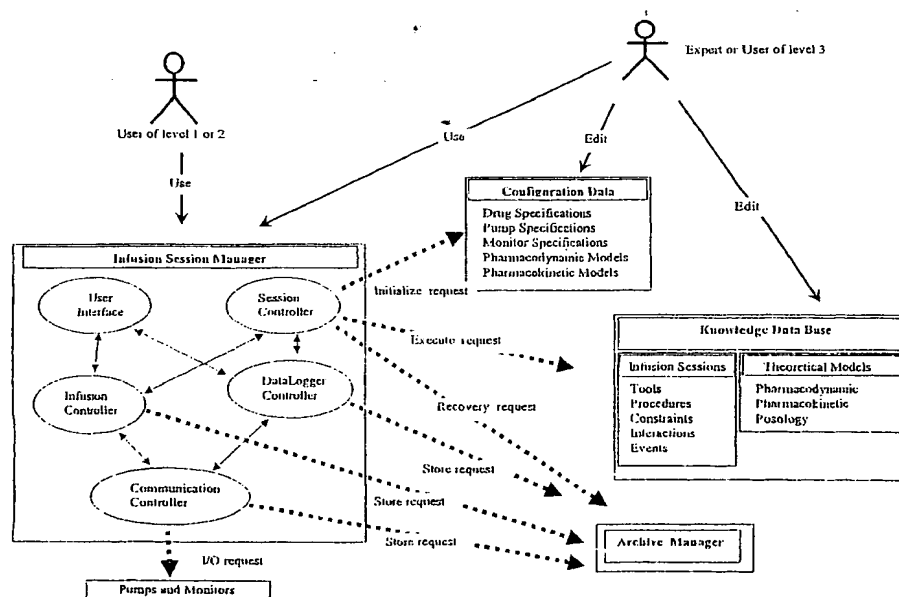
(74) Agents: **VAN MALDEREN, Joëlle et al.**; pronovem - Office Van Malderen, Avenue Josse Goffin 158, B-1082 Bruxelles (BE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **COMPUTER-CONTROLLED INTRAVENOUS DRUG DELIVERY SYSTEM**



(57) Abstract: The present invention relates to a system for computer-aided intravenous delivery of anesthetics and/or other drugs to a patient. Wherein the system contains a set of configurable written procedures to steer intravenous anesthetic drug delivery and/or other drug delivery, whereby said procedures have been adapted to the type of surgical action and/or therapy, adapted to the patient's physical condition, and adapted to the type of drugs, tools and theoretical models used.

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.